

# PROPOSED RULE 1157 – PM10 EMISSION REDUCTIONS FROM AGGREGATE & RELATED OPERATIONS

## SURVEY FORM

Please complete the form as appropriate and indicate information you consider proprietary or confidential with asterisks (\*). Please use different survey form for each operation and additional sheets for additional information.

### (A) GENERAL INFORMATION

AQMD Facility ID  Temporary Facility ☐ Permanent Facility ☐  
(Will be at this location less than 2 yrs. from survey date)

Primary Activity (which brings more than 50% of the annual revenue)

#### Type of Operation

Aggregate ☐ Concrete Batching ☐ Hot Mix Asphalt ☐  
Crushed Stone ☐ Concrete Products ☐ Crushed Miscellaneous Base ☐

Other (Describe)

Facility Name

Location Address

Mailing Address

Contact Person  Title

Phone  Fax  E-mail

Number of employees on payroll at the facility  Facility Footprint  acres

Number of employees on payroll at the corporate office (if applicable)

Name of parent company (if the facility is a subsidiary)

# PROPOSED RULE 1157 – PM10 EMISSION REDUCTIONS FROM AGGREGATE & RELATED OPERATIONS

How long do you anticipate being at this location?

Less than 5 years ☐

5 – 10 yrs ☐

More than 10 yrs ☐

## (B) OPERATING SCHEDULE

Hours/Day	Days/Week	Weeks/Year

## (C) PLANT DATA

(1) Annual Plant Throughput (Tons or Cubic Yards/Year)

(2) Truck Loading/Unloading N/A ☐

Loading #	Type & Size of Material		Throughput (Tons or Yd <sup>3</sup> /Day)	Unloading #	Type & Size of Material		Throughput (Tons or Yd <sup>3</sup> /Day)
	Wet	Dry			Wet	Dry	
1				1			
2				2			
3				3			

Emissions reported to the Annual Emissions Reporting Program (AER)? If yes, indicate amount  and reporting year

### Dust Controls Currently Used

Watering/Misting ☐

Underground pit ☐

Other (Describe)

One-time Capital Cost

Annual Recurring Cost (Including maintenance)

Control Equipment Life  years

Comments

# PROPOSED RULE 1157 – PM10 EMISSION REDUCTIONS FROM AGGREGATE & RELATED OPERATIONS

(3) **Conveyors**

N/A ☐

Group #	# of Conveyors per Group	Type & Size of Material		Throughput (Ton/Hour)
		Wet	Dry	
1				
2				
3				
4				
5				

Emissions reported to the Annual Emissions Reporting Program (AER)? If yes, indicate amount  and reporting year

## Dust Controls Currently Used

Watering/Misting ☐ Covered ☐ Other (Describe)

One-time Capital Cost  Annual Recurring Cost (Including maintenance)

Control Equipment Life  years

Comments

(4) **Hopper/Surge Bin**

N/A ☐

Equip. #	Type & Size of Material		Throughput (Ton/Hour)	Equip. #	Type & Size of Material		Throughput (Ton/Hour)
	Wet	Dry			Wet	Dry	
1				4			
2				5			
3				6			

## PROPOSED RULE 1157 – PM10 EMISSION REDUCTIONS FROM AGGREGATE & RELATED OPERATIONS

Emissions reported to the Annual Emissions Reporting Program (AER)? If yes, indicate amount  and reporting year

### Dust Controls Currently Used

Watering/Misting ☐

Baghouse ☐

Covered ☐

Other (Describe)

One-time Capital Cost

Annual Recurring Cost  
(Including maintenance)

Control Equipment Life  years

Comments

(5) **Crushing Equipment** N/A ☐

Crusher	Type & Size of Material		Throughput (Tons/Hour)
	Dry	Wet	
Primary			
Secondary			
Tertiary			

Emissions reported to the Annual Emissions Reporting Program (AER)? If yes, indicate amount  and reporting year

### Dust Controls Currently Used

Watering/Misting ☐

Baghouse ☐

Covered ☐

Other (Describe)

One-time Capital Cost

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Control Equipment Life  years

Comments

(6) **Screening Equipment** N/A ☐

# PROPOSED RULE 1157 – PM10 EMISSION REDUCTIONS FROM AGGREGATE & RELATED OPERATIONS

Equip. #	Type & Size of Material		Throughput (Ton/Hour)	Equip. #	Type & Size of Material		Throughput (Ton/Hour)
	Wet	Dry			Wet	Dry	
1				4			
2				5			
3				6			

Emissions reported to the Annual Emissions Reporting Program (AER)? If yes, indicate amount  and reporting year

## Dust Controls Currently Used

Watering/Misting ☐ Baghouse ☐ Covered ☐

Other (Describe)

One-time Capital Cost  Annual Recurring Cost   
(Including maintenance)

Control Equipment Life  years

Comments

(7) Milling Equipment N/A ☐

Equipment #	Size of Material	Throughput (Tons/Hour)
1		
2		
3		

Emissions reported to the Annual Emissions Reporting Program (AER)? If yes, indicate amount  and reporting year

## Dust Controls Currently Used

Baghouse ☐ Covered ☐ Other (Describe)

One-time Capital Cost  Annual Recurring Cost   
(Including maintenance)

years

# PROPOSED RULE 1157 – PM10 EMISSION REDUCTIONS FROM AGGREGATE & RELATED OPERATIONS

Control Equipment Life

Comments

(8) **Silo (for Cement and Fly Ash)**

N/A ☐

Group #	# of Silo per Group	Type of Material	Throughput (Tons/Year)
1			
2			
3			

Emissions reported to the Annual Emissions Reporting Program (AER)? If yes, indicate amount  and reporting year

**Dust Controls Currently Used**

Cyclone ☐ Baghouse ☐ Filter Bag ☐ Other (Describe)

One-time Capital Cost  Annual Recurring Cost (Including maintenance)

Control Equipment Life  years

Comments

(9) **Open Storage Piles**

Pile #	Type & Size of Material		Annual Average Volume (cu ft)	Annual Average Pile Dimension (Base & Height)
	Wet	Dry		
1				
2				
3				
4				

Emissions reported to the Annual Emissions Reporting Program (AER)? If yes, indicate amount  and reporting year

# PROPOSED RULE 1157 – PM10 EMISSION REDUCTIONS FROM AGGREGATE & RELATED OPERATIONS

## Dust Controls Currently Used

Watering/Misting ☐ Covered ☐ Other (Describe) \_\_\_\_\_

One-time Capital Cost  Annual Recurring Cost (Including maintenance)

Control Equipment Life  years

Comments

## (10) Annual Average Unpaved Roads Used by Haul Trucks (Trucks with capacity of 50 tons or more) ☐ N/A ☐

Ave. Length (ft)  Ave. Width (ft)

Estimated truck trips per day  Average speed (miles/hr)

## Dust Controls Currently Used

Watering ☐ Frequency (Times/Day)  % Utilization

Dust suppressant ☐ Frequency (Times/Year)  % Utilization

Comments

## (11) Annual Average Unpaved Roads Used by Aggregate/Mixer Trucks or Small Vehicles only (No Internal Haul Trucks) ☐

Ave. Length (ft)  Ave. Width (ft)

Estimated daily truck trips entering facility  Average speed (miles/hour)

Estimated daily truck trips exiting facility  Ave. idling time per truck in min

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## **Dust Controls Currently Used**

Watering <input type="checkbox"/>	Frequency (Times/Day) <input type="checkbox"/>	% Utilization <input type="checkbox"/>
Dust suppressant <input type="checkbox"/>	Frequency (Times/Year) <input type="checkbox"/>	% Utilization <input type="checkbox"/>
Comments <input type="text"/>		

## **(12) Annual Average Paved Roads Used by Aggregate/Mixer Trucks or Small Vehicles only (No Internal Haul Trucks)      N/A ☐**

Ave. Length (ft) <input type="text"/>	Ave. Width (ft) <input type="text"/>
Estimated daily truck trips entering facility <input type="text"/>	Average speed (miles/hour) <input type="text"/>
Estimated daily truck trips exiting facility <input type="text"/>	Ave. idling time per truck in min <input type="text"/>

## **Dust Controls Currently Used**

Watering <input type="checkbox"/>	Frequency (Times/Day) <input type="checkbox"/>	% Utilization <input type="checkbox"/>
Sweeping <input type="checkbox"/>	Frequency (Times/Year) <input type="checkbox"/>	% Utilization <input type="checkbox"/>
Comments <input type="text"/>		

## **(13) Track-Out**

Number of exits used by trucks

## **Dust Controls Currently Used**

Watering <input type="checkbox"/>	Frequency (Times/Day) <input type="checkbox"/>	% Utilization <input type="checkbox"/>
Sweeping <input type="checkbox"/>	Frequency (Times/Day) <input type="checkbox"/>	% Utilization <input type="checkbox"/>
Dust suppressant <input type="checkbox"/>	Frequency (Times/Day) <input type="checkbox"/>	% Utilization <input type="checkbox"/>
Rumble grate <input type="checkbox"/>	Wheel washer <input type="checkbox"/>	Paving (at least 100 ft into facility) <input type="checkbox"/>
Other (Describe) <input type="text"/>		
Comments <input type="text"/>		



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## **(D) ADDITIONAL INFORMATION**

- (1) Attach a sketch showing plant location. Indicate public roads, haul roads, aggregate stockpiles, north arrow, and direction of prevailing winds.
- (2) Attach a process flow diagram for your plant. Label all processes and equipment.
- (3) Indicate the numbers of water trucks and sweepers owned or rented.
- (4) Provide capital and annual maintenance costs for dust control measures for unpaved roads and track-out.

## **(E) SUGGESTIONS**

Please describe any feasible and cost-effective dust control measures/equipment that you would suggest and provide detailed information for our consideration.

SEND COMPLETED SURVEY TO:  
Tuyet-Le Pham  
Air Quality Specialist  
South Coast Air Quality Management District  
21865 Copley Dr.  
Diamond Bar, CA 91765-4182